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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Atty. Docl	cet No.
A33723	070050.1407

Serial No. 09/911,821

Applicant Pang et al.

Filing Date

July 24, 2001

Group Art Unit 1631

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OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

05	Akmaev et al., "Phylogenetically enhanced statistical tools for RNA structure prediction," 2000, Bioinformatics 16: 501-512.		
1	Baker, 2000, "A suprising simplicity to protein folding," Nature 405:39-42.		
	Bateman et al., 2000, "The Pfam Protein Families Database," Nucleic Acids Research 28:263-266		
	Jones, "Protein Structure Prediction In the Postgenomic Era," 2000, Current Opinion Structural Biol. 10:371-379.		
	Phillips et al., 2000, "Multiple Sequence Alignment in Phylogenetic Analysis," Mol Phylogenet Evol. 16: 317-330.		
	Sanchez et al., "Protein Structure Modeling for Structural Genomics," 2000, Nature Structural Biology Nov. 2000, Suppl. 986-990.		
	Shi and Moore, "The crystal structure of yeast phenylalanine tRNA at 1.93 Angstrom resolution: A classic structure revisited," RNA 2000 Aug 6(8) 1091-105.		
	Lockless and Ranganathan, "Evolutionary Conserved Pathways of Energetic Connectivity," 1999, Science 286:295-299.		
	Mahalingam et al., "Structural and kinetic analysis of drug resistant mutants of HIV-1 protease," Eur J Biochem. 1999 263:238-45.		
	Olmea et al., "Effective Use of Sequence Correlation and Conservation in Fold Recognition," 1999, J. Mol. Biol. 293: 1221-1239.		
1	Pollock et al., "Coevolving Protein Residues: Maximum Likelihood Identification and Relationship to Structure," 1999, J. Mol. Biol. 287: 187-198.		

NY02:525956.1

Examiner

Date Considered

1/16/2006

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

orm PTO-1449 U.S. Department of Commerce REV. 2-82) Patent and Trademark Office	Atty. Docket No. A33723 070050.1407	Serial No. 09/911,821		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant Pang et al.			
(Use several sheets if necessary)	Filing Date July 24, 2001	Group Art Unit		
24 2005 Rost, 1999, "Twilight zone of protein	cognones elignments " Puete	i. E		
Rost, 1999, Twitight zone of protein	sequence anguments, Prote	in Engineering, 12:85-94.		
Konforti et al., "Ribozyme Catalysis i Mol. Cell 1:433-441.	from the Major Groove of Gr	oup II Intron Domain 5," 199		
Puius et al., 'Novel Water Mediated I Affinity of the Blood Substitute Cand	Hydrogen Bonds as the Struct idate fHb(α96VAL->Trp)," 1	ural Basis for the Low Oxyg. 998, Biochemistry 37:9258-		
Sprinzl et al. Nucl. Acids Res., "Comp 1998, Vol.26, No.1., 148-153.	Sprinzl et al. Nucl. Acids Res., "Compilation of tRNA sequences and sequences of tRNA genes, 1998, Vol.26, No.1., 148-153.			
Altschul et al., 'Gapped BLAST and I programs," Nucleic Acids Res. 1997,		n of protein database search		
Chelvanayagam et al., "An Analysis of Engineering. 10:307-316.	of simultaneous Variation in p	protein structure," 1997, Prot		
Pazos et al., "Correlated Mutations Co. J. Mol. Biol. 271: 511-523.	ontain Information About Pro	tein-protein Interaction," 199		
Pollock et al., "Effectiveness of correlated evolution," 1997, Protein E	lation analysis in identifying parallel Engineering 10:647-657.	protein residues undergoing		
Agresti, 1996, An introduction to Cate	egorical Data Analysis, Wile	y, New York., pp16-34.		
Rost et al, "Pitfalls of protein sequence	e analysis," 1996, Curr. Opir	1. Biotechnol. 7:457-461.		
Singer et al., "Potential Ligand-Bindin Correlated Mutation Analysis," 1995,	ng Residues in Rat Olfactory Receptors and Channels 3:8	Receptors Identified by 9:95.		

NY02:525956:1

.. 2

Neher, 1994, "How frequent are correlated changes in families of protein sequences," Proc. Natl.

Examiner

Ein De Jorg

Acad. Sci. USA 91:98-102.

Date Considered

1/17/200

Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Atty. Docket No. A33723 070050.1407	Serial No. 09/911,821
		Applicant Pang et al.	
		Filing Date July 24, 2001	Group Art Unit 1631
CT 9 A 2005			
DJ	Gobel et al., "Correlated Mutations an Funct. Genet. 18:309-317.	d Residue Contacts in Protei	ns," 1994, Proteins: Struct.
	Shindyalov et al., "Can three-dimension correlated mutations?" 1994, Protein I		ures be predicted by analysis
	Taylor et al., "Compensating Changes Engineering. 7:341-348.	in Protein Multiple Sequence	e Alignments," 1994, <i>Proteir</i>
	Agresti, "A Survey of Exact Inference	for Contingency Tables," St	atist. Sci. <u>7</u> :131-153 1992.
	Gutell et al., 1992, "Identifying construction of comparation of c		
	Clarkson et al., "A Remark on Algorit Exact Test in r x c Contingency Tables 488, 1993.	s," ACM Transactions on Mo	athematical Software 19:484
	Korber et al., "Covariation of Mutation envelope protein: An information theo 7180.	ns in the V3 loop of human i retic analysis," 1993, <i>Proc. I</i>	mmunodeficiency virus type Vatl. Acad. Sci. USA 90:7176
	Mehta and Patel, "A Network Algorith Contingency Tables," 1983, J. Am. Sta		Exact Test in \$r \times c\$
	Duffy, D.E., "A Survey of Exact Inferond 7:157-160.	ence for Contingency Tables	," 1992, Statistical Science
	Chiu and Kolodziejczak, "Inferring Co	nsensus Structure From Nuc	leic Acid Sequences," 1991,
	Press et al., 1988-1997, Numerical Red University Press, (www.nr.com) Section		

NY02:525956.1

Examiner

Date Considered

Altschuh et al., "Correlation of Co-ordinated Amino Acid Substitutions with Function in Viruses Related to Tobacco Mosaic Virus," 1987, J. Mol. Biol. 193:693-707.

1/17/2001

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Atty. Docket No. A33723 070050.1407	Serial No. 09/911,821
		Applicant Pang et al.	
PE Use sev	reral sheets if necessary)	Filing Date July 24, 2001	Group Art Unit 1631
OCT 2.4 2005 g	conmans 1087 Introduction to Cont	tompowany Statistical Mathe	da Duurkuuri Bross, Boston
	oopmans, 1987, <i>Introduction to Cont</i> hapter 2, p35-69.	emporary Statistical Method	2s, Duxoury Press, Boston
	fron, "Nonparametric estimates of sta ethods," 1981, <i>Biometrika</i> , 68:589-59		ne booststrap and other
	ntefield, "An Efficient Method of Ger Jolumn Totals," Applied Statistics, 199		les With Given Row and
Co 45	ochran, "Some Methods For Strength	ening The Common X2 Tes	ts," 1954, <i>Biometrics</i> 10:417-
Cr 45	ramer, 1946, <i>Mathematical Methods</i> (2.	of Statistics, Princeton Univ	ersity Press, Princeton, p416-
,			

NY02:525956.1

Examiner

Date Considered

1/17/2006

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.